Artham
Resource Material

For Revised Syllabus Session 2024-25

NCERT Solutions

Geography

Chapter 1 Environment

Class 7

Powered by SCHOOL OF EDUCATORS SOE Learn | Unlearn | Relearn

Chapter – 1
Environment
Exercise

1. Answer the following questions

(i) What is an ecosystem?

The interaction or interdependence of plant, animal and human beings with their immediate environment or surroundings is called an ecosystem.

Answer:

The interaction or interdependence of plant, animal and human beings with their immediate environment/surroundings is called as ecosystem.

(ii) What do you mean by natural environment?

Answer:

The environment that consists of the elements created by nature is called the natural environment. The natural environment comprises land, water, air, plants, and animals.

(iii) Which are the major components of the environment?

Answer:

The major components of the environment are:

a. Natural components: They consists of all objects created by nature such as plants, air, land and water.

b. Human components: They consists of human beings.

c. Human-made components: These include everything that is made by man or human such as buildings, parks and roads.

(iv) Give four examples of human made environment.

NAGEEN GROUP
tamso ma jyotirgamaya

Answer:

Human environment are those that include everything that is made by man or humans. Examples: Parks, buildings, roads and industries.

(v) What is lithosphere?

Answer:

Lithosphere or the domain of land is the solid crust or the outermost hard layer of the Earth. It is made up of rocks and minerals, and is covered by a thin layer of soil. It is an irregular surface with various landforms such as mountains, plateaus, plains and valleys.

(vi) Which are the two major components of biotic environment?

Answer:

Biotic environment consists of all living things in an ecosystem. The two major components of biotic environment are plants and animals.

(vii) What is biosphere?

Answer:

Biosphere is the narrow zone of the Earth where land, water and air interact with each other to support life. It is also known as the living world that consists of both plant and animal kingdom.

NAGEEN GROUP
tamso ma jyotirgamaya

2.

(i) Tick the correct Answer.

Which is not a natural ecosystem?

(a) Desert

(b) Aquarium

(c) Forest

Answer:

Aquarium is an artificial aquatic environment which is made by man.

(ii) Tick the correct Answer.

Which is not a component of human environment?

(a) Land

(b) Religion

(c) Community

Answer:

Land is the natural components whereas the other are human environment.

(iii) Tick the correct Answer.

Which is a human made environment?

(a) Mountain

(b) Sea

(c) Road

Answer:

Mountains and Sea are natural components of our environment.

NAGEEN GROUP
tamso ma jyotirgamaya

(iv) Tick the correct Answer.

Which is a threat to environment?

(a) Growing plant

(b) Growing population

(c) Growing crops

Answer:

The rest of the options are part of environments and are useful.

3. Match the following.

(i) Biosphere	(a) blanket of air which surround the earth
(ii) Atmosphere	(b) domain of water
(iii) Hydrosphere	(c) gravitational force of the earth
(iv) Environment	(d) our surroundings
	(e) narrow zone where land water and air interact
	(f) relation between the organisms and their surroundings

Answer:

(i) Biosphere - (e) narrow zone where land water and air interact

Biosphere is the zone where living components interact with each other as well as with the non-living environment.

(ii) Atmosphere - (a) blanket of air which surrounds the earth

Atmosphere is also called the blanket of air that surrounds the surface of the earth. It is made of different gases.

(iii) Hydrosphere - (b) domain of water

Hydrosphere is the abiotic component that comprises the water.

(iv) Environment - (d) our surroundings

Environment comprises almost everything around us. It includes the living components and non-living components such as plants, animals, and air.

NAGEEN GROUP
tamso ma jyotirgamaya

4.

(A) Give reasons

Man modifies his environment

Answer:

Modification of environments means altering or changing the immediate surroundings. As the population is growing, human needs and desires are also growing. To fulfil the needs, humans or man modifies the environment in many ways. For example, trees are cut to make buildings or commercial places. Animals are killed for their skin and tusks.

(B) Give reasons

Plants and animals depend on each other

Answer:

Plants and animals depend on each other for many things such as food and shelter.

i. Plants make their own food by photosynthesis. They are consumed by animals as food because animals cannot make their food.

ii. Plants produce oxygen which is used by animals while breathing. In return, animals release carbon dioxide in the air which is used by plants to make food during photosynthesis.

iii. Plants provide shelter to animals such as monkeys and birds.

NAGEEN GROUP
tamso ma jyotirgamaya

5. Imagine an ideal environment where you would love to live. Draw the picture of your ideal environment

Answer:

I would like to live in an environment like shown:

Note: Answers may vary for this. Students may draw picture of an environment where there is greenery and pleasant atmospheric conditions.

NAGEEN GROUP
tamso ma jyotirgamaya